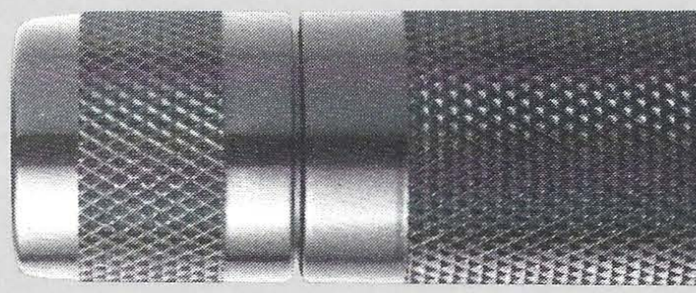
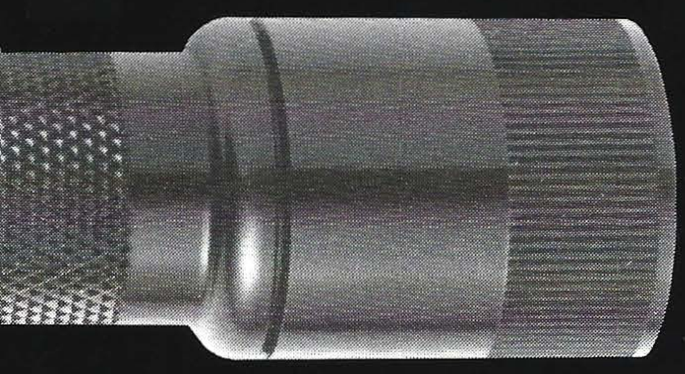
SURE-FIRE® means Quality



SURE-FIRE®

However, there's more to flashlights than quality.



Welcome to

the MODERN FLASHLIGHT REVOLUTION!

SURE-FIRE®

Welcome to

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SURE-FIRE®

Welcome to the Modern Flashlight Revolution.

SURE-FIRE Brings You High Power, Small Size

The revolution, which began in 1987 with the introduction of the first SURE-FIRE flashlight, has resulted in the miniaturization of the high power flashlight. Performance-enhancing innovations have been incorporated into a succession of these smaller designs.

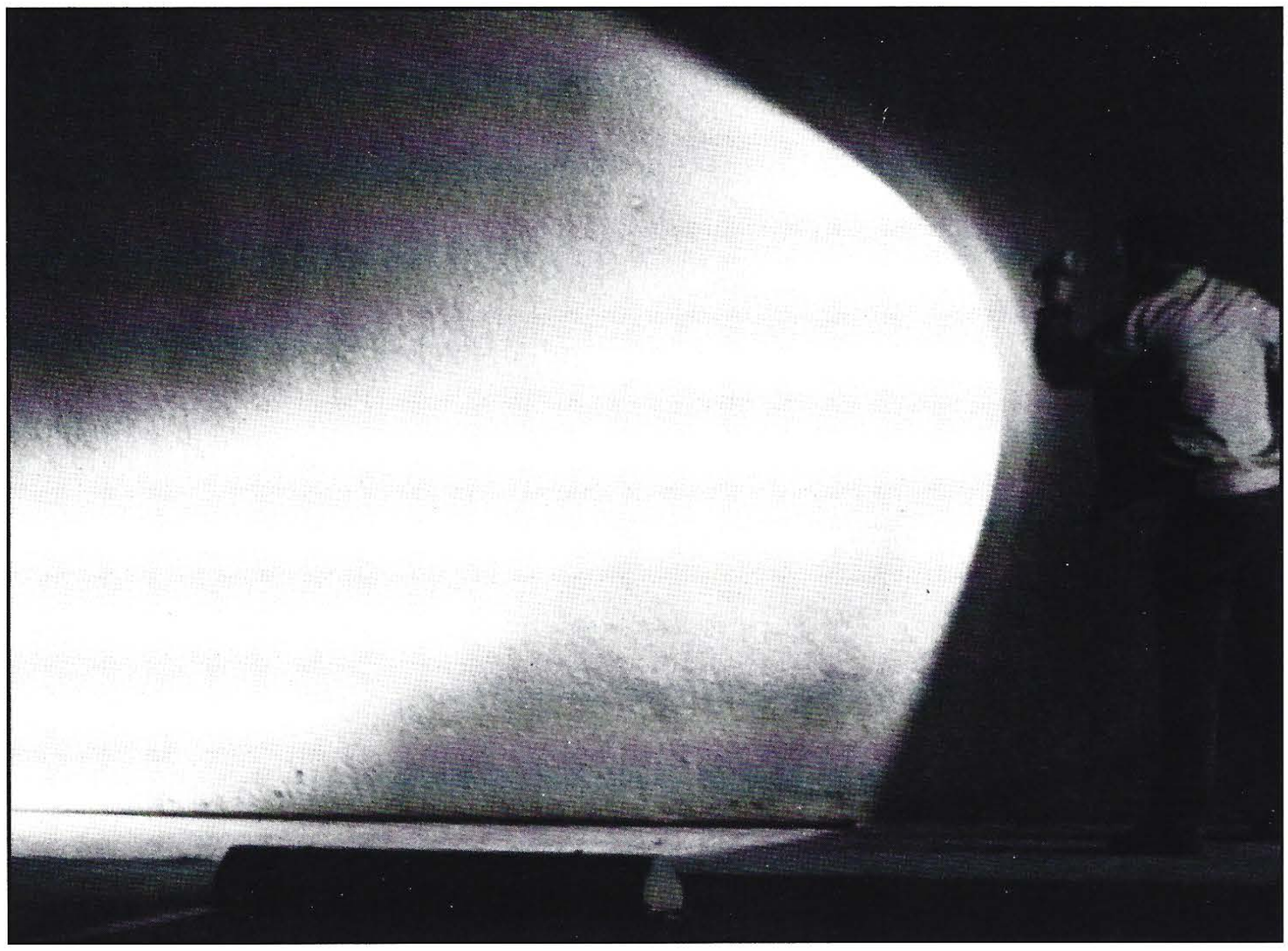
For several years, using a special beam smoothing surface on the reflector and combining the lamp and reflector into a single factory-focused assembly, we have produced flashlights featuring a smoother and better focused beam.

More recently, the BEAMSHAPER™ has been developed to solve the problem of spreading-out the focused portion of the beam without introducing dark spots or irregularities into the beam.

Another recent innovation is the use of a switch-selectable secondary lamp located next to the primary lamp within the reflector. With its own focusing system, it provides a wide-angle longer run-time light for more routine tasks.

All of these innovations, as well as flashlight and charger designs which allow batteries to be charged either in or out of the flashlight, are embodied in our newest "N" Series flashlights.

As you can see, the modern flashlight revolution has brought many improvements. We are pleased to offer them to you in the products described in this catalog.



6P ACTUAL SIZE

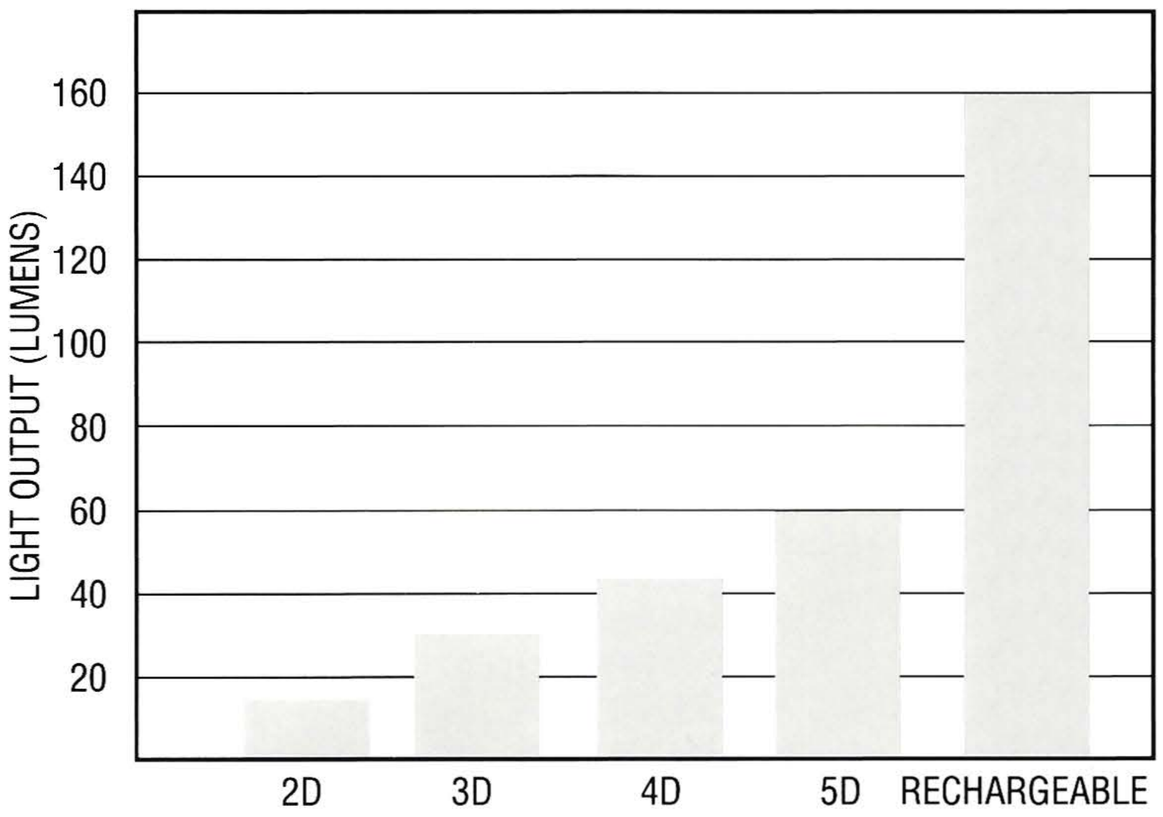
The Law Enforcement Connection

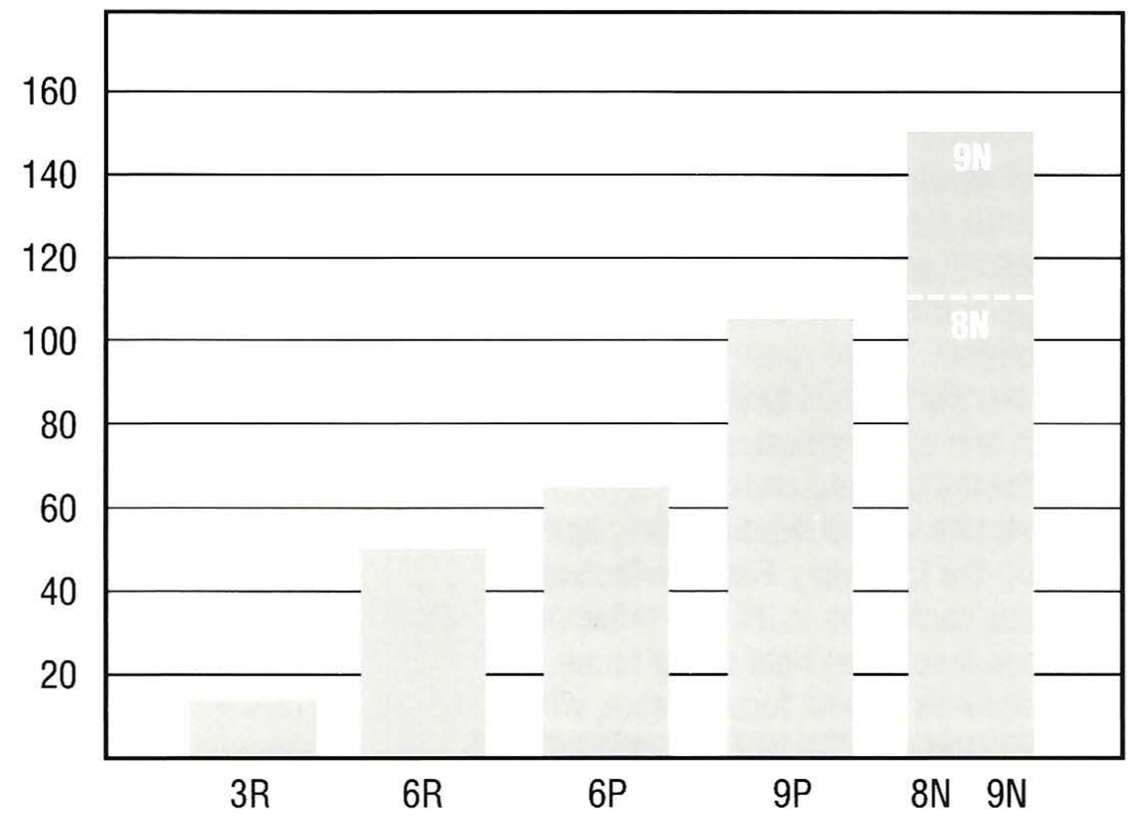
This modern flashlight revolution has its origin in another revolution, one involving lights and firearms. In the 1980's, law enforcement SWAT teams expressed the need for small but powerful lights that could be mounted to their weapons. Laser Products filled this need, developing SURE-FIRE (tactical) lights and from them, the first SURE-FIRE flashlights.

Today, nearly all law enforcement tactical teams and military special forces units worldwide mount lights on their weapons, and SURE-FIRE tactical lights are what most use or prefer. When you use a SURE-FIRE light, you're in good company.

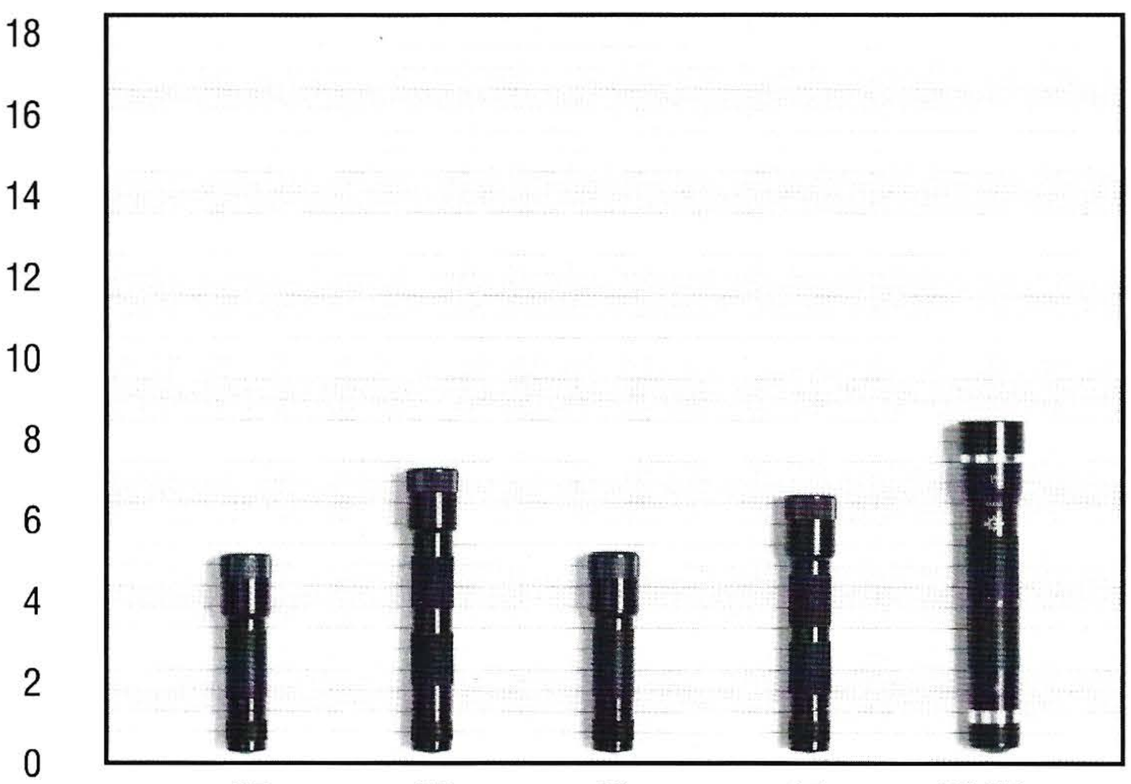
SURE-FIRE Flashlights are truly revolutionary.

Compare their light output and size with that of the industry's best flashlights.
With SURE-FIRE, you no longer have to carry a big flashlight to get big light power.





The Highest Quality Competitive Flashlights



SURE-FIRE Flashlights

Measuring or Comparing Light Output

The most meaningful measure of the "power" of a flashlight for comparison purposes is the total amount of light it produces, including both the focused and wide angle portions of the beam. Total light is best measured using an instrument called an "integrating sphere", and given in "lumens." The lumen is a much better unit of measure for comparison purposes than "candlepower," since candlepower, as commonly used, is merely a measure of the intensity of the hottest spot in the beam. This can be misleadingly high for flashlights having either larger reflectors or irregularly focused beams with "hot spots."

We have made the light output measurements given here with a Labsphere Model LM-4000 integrating sphere photometer, and believe them to fairly represent the light outputs of the flashlights measured. All measurements were taken after 15 minutes of actual run time, starting with new or freshly charged batteries. The flashlights used were wither purchased on the open market or taken randomly from our stock. We do not offer our findings for other than general comparison purposes.

If you want to compare the power of two flashlights yourself, and you don't have access to an integrating sphere, you can approximate one by going into a dark room, and alternately turning each flashlight on while looking at the reflected light on the opposite wall. You can definitely tell which flashlight is more powerful this way. You can also get some idea of relative power by shining them side by side straight down onto a smooth surface, as shown in the photograph on page 6.

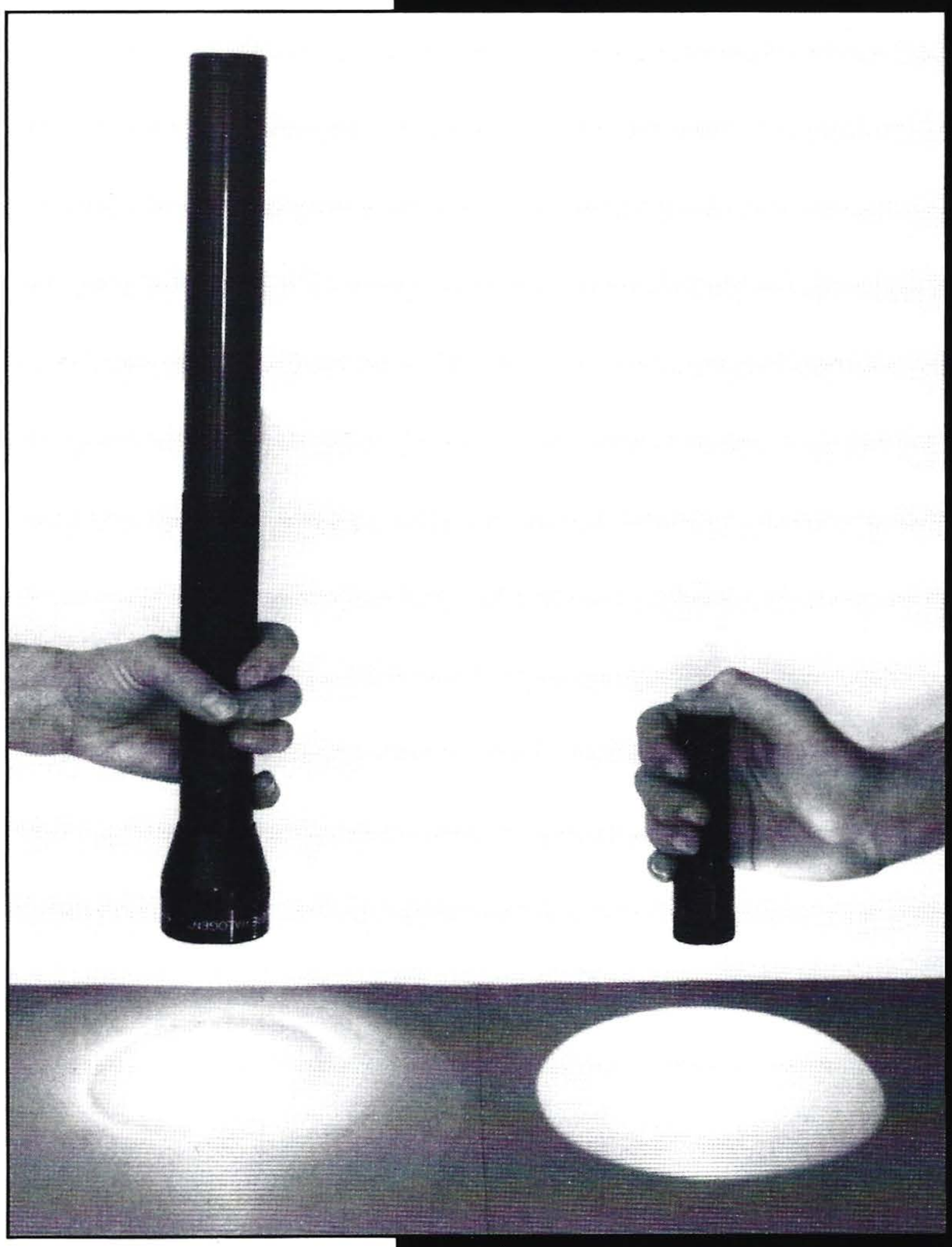
IN ADDITION TO BEING MORE POWERFUL & SMALLER,

SURE-FIRE Flashlights produce a superior beam.

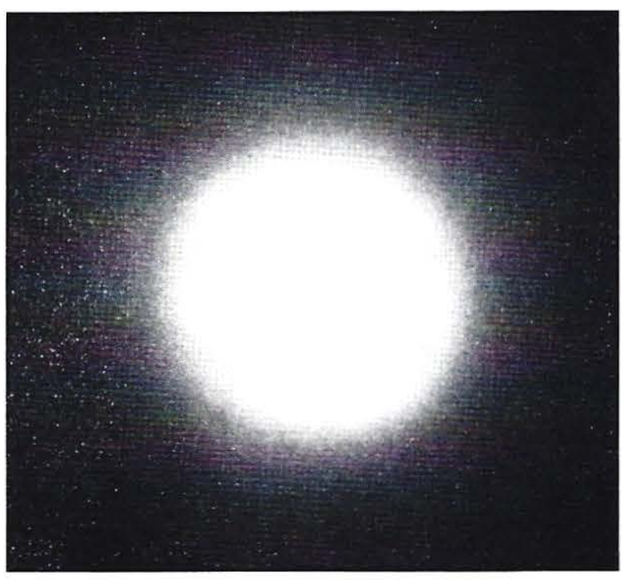
A flashlight typically produces two beams, one "wide angle" and the other "focused". The wide angle beam is the light that comes directly out the front without hitting the reflector. The focused beam is created by light that hits the reflector.

The wide angle beam is nearly always uniform, but for it to be useful, the lamp used in the flashlight must be relatively powerful. This is the case with SURE-FIRE flashlights, but not so with less powerful flashlights.

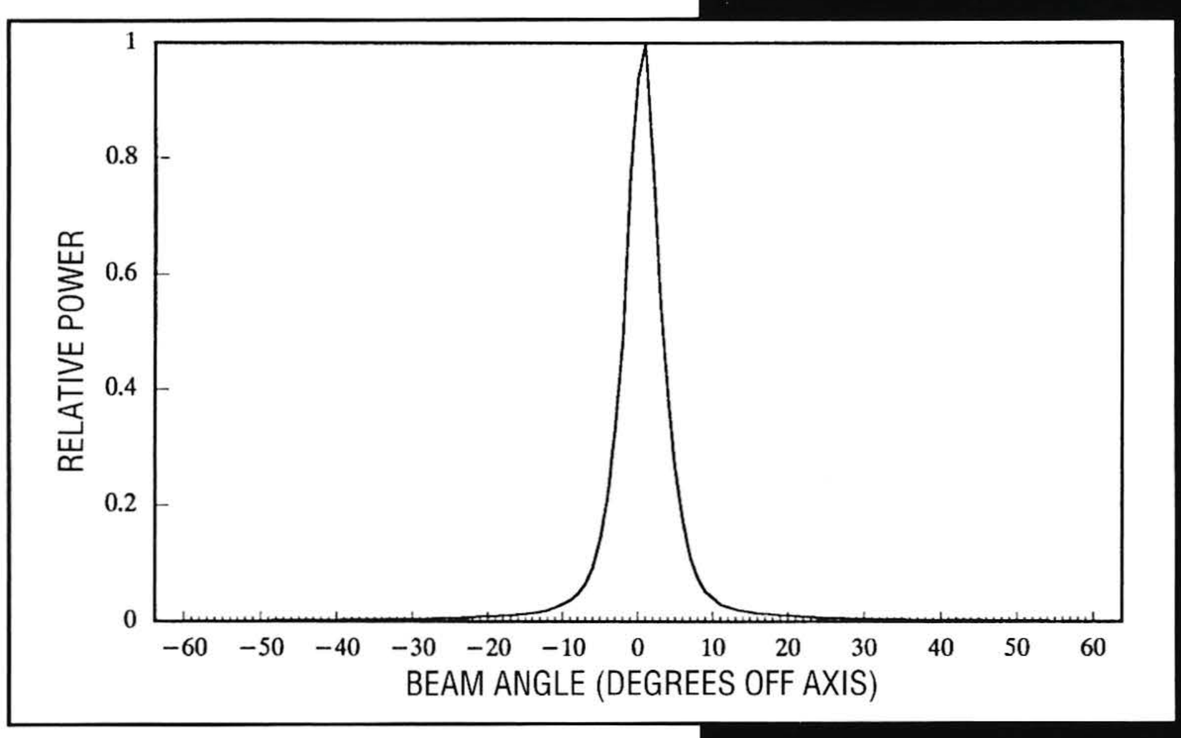
Ideally, the focused beam should be smooth and symmetrical, and just the right width for the task at hand. We have achieved this with SURE-FIRE flashlights by doing the following: First, we individually focus each lamp in its own reflector, and bond it so it can't get out of focus. This produces a "best focus" beam, whose only intensity variations are those due to the imaging of the lamp filament. Next, we eliminate these variations by using a proprietary beam smoothing surface finish on our reflectors. The result of these two steps is a very "smooth" focused beam having a beam width that is an excellent compromise between range and coverage. For those situations where a wider beam is needed, we offer two different SURE-FIRE BEAMSHAPERS™. These are holographically generated optical disks that effectively expand and further smooth the beam. A variety of BEAMSHAPER™ models are described on page 14.



Comparison of the beam patterns produced by a 5 D-Cell flashlight and a Sure-Fire 6P Flashlight.



Photograph of a screen, which shows the focused portion of the beam from a SURE-FIRE 6R Flashlight. The wide angle beam does not show because of the limited dynamic range of the film and the printing process.



An intensity scan across the focused portion of the beam from a Sure-Fire 6R Flashlight.

IN ADDITION TO OFFERING SUPERIOR PERFORMANCE,

SURE-FIRE Flashlights are built better.

Superior Materials, Designs, and Attention to Details Characterize All SURE-FIRE Flashlights.

All SURE-FIRE flashlights feature aircraft grade aluminum for every major component, including the body, bezel, tail cap, reflector, and switch element. All are precision machined and anodized, chemically treated or plated to prevent corrosion and enhance appearance. Every threaded joint is o-ring sealed, as is the Lexan lens in the bezel. These parts are built to last a lifetime.

The heart of every SURE-FIRE flashlight, the lamp/reflector assembly, incorporates special lamps, proprietary features, and advanced designs that guarantee exceptional performance and reliability. This includes the use of special high pressure xenon or xenon/halogen lamps, special reflector surfaces, filament shock isolation, and the precision focusing of each lamp in its own reflector. Other design features include the modular nature of the entire group of P and R Series flashlights, (permitting interconversion between lithium to Ni-Cd battery operation), and the dual lamp and charge-in-place features of the new N Series flashlights.

Advanced Batteries Provide Superior Performance and Reliability

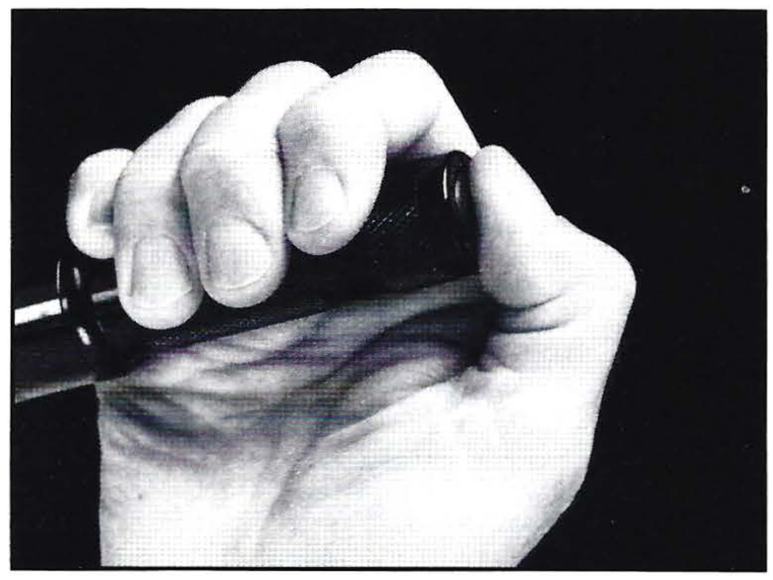
SURE-FIRE flashlights use two of the most advanced types of batteries available, lithium and Ni-Cd. These are superior to the more common alkaline batteries. They are capable of delivering higher power for their size, which allows us to build smaller and more powerful flashlights. We offer both lithium and Ni-Cd because each has its own unique characteristics, and each is better in its own way. Which to choose depends on how you intend to use your flashlight.

Comparing the two alternatives, the lithium batteries are smaller, and store more electrical energy for their size than Ni-Cd batteries. They also retain their capacity in storage far longer (10 years) than Ni-Cd batteries (which continuously self discharge even when not in use.) The great advantage of Ni-Cd batteries is that they are rechargeable, while the lithium batteries are not. The lithium batteries are the clear choice when the flashlight is only used occasionally, and must deliver its full run time even after months or years of storage. Ni-Cd batteries are the clear choice when the flashlight is used often and continuously, where the cost savings would be significant.

SURE-FIRE Switch System Offers Option of Momentary or Continuous Illumination.

Sometimes the simplest designs are the best. The switch we use on all our flashlights is an example of such a design. Push on the neoprene diaphragm in the middle of the tail cap, and the light comes on. Stop pushing and the light goes off. Rotate the tail cap until it is tight, and the light stays on. Unscrew it a bit and the light goes off. Very simple indeed single moving part acts as the switch, and there is nothing to break or wear out.

While switches are usually the weak link in flashlights, we have never had a problem with our switches.



Advanced Battery Chargers include Microprocessor Controlled Models for Faster and More Reliable Charging

The new line-up of battery chargers for SURE-FIRE rechargeable flashlights includes microprocessor controlled fast chargers, electronically timed constant-current chargers, and economical "overnight" models.

Microprocessor controlled "smart" chargers rapidly charge a battery at a high charge rate, electronically sense full battery charge, and switch to a low maintenance charge rate. This procedure provides ideal charging of a battery in any state of discharge in the shortest time - every time. These chargers afford maximum battery performance, maximum battery life, and maximum user convenience.

Electronically timed constant-current chargers provide a metered recharge and then switch to a low maintenance charge rate. The timed charge rate has been selected to minimize harm when accidentally recharging even a fully charged battery. The charge time is nominally nine hours.

"Overnight" chargers have still lower charge rates and do not sense or time battery charge - the user must terminate the charging process. The charge rate is low enough to minimize the risk of overcharge damage even with occasional prolonged charging. These chargers afford a practical compromise between economy and convenience with ten to twelve hour recharge times.

These three types of chargers are (or soon will be) offered for both the "R" and "N" Series flashlights. Several "N" Series chargers also feature charge-in-place operation.

We offer three series of SURE-FIRE Flashlights to choose fro

P SERIES

Lithium Battery Powered, Convertible to Rechargeable

A SURE-FIRE P Series flashlight is your best choice if small size, unquestioned reliability, and high light output are your primary concerns. With lithium batteries, you know your flashlight is going to work when needed, keep going longer, and put out more light. These are the ideal lights to carry, or keep on hand, for emergencies. They also make an ideal "working light", providing they are not used so often that battery replacement cost become and issue. If it does, you can convert your P Series flashlight to an R Series flashlight, and use rechargeable batteries. P Series flashlights are the choice of military special forces units, SWAT teams, and patrol officers on day shift. They are also the choice of a growing number of people from all walks of life who appreciate their reliability and performance.

Convertibility

The 6P can be converted to the 9P, 3R, or 6R, or back. The 9P can be converted to the 6R. Kits containing the required parts are listed on page 10.

Actual Size

The 6P

The 9P

R SERIES

Ni-Cd or Lithium Battery Powered

A SURE-FIRE R Series flashlight offers rechargeability, plus the ability to use lithium batteries when needed. The 6R's small size and high light output has made it a favorite among policemen and other emergency services personnel, who use their flashlights frequently and want them rechargeable. For those whose use of the flashlight is sporadic, but occasionally heavy, we would recommend keeping lithium batteries in the flashlight while stored, then switching to Ni-Cd batteries for periods of heavy use.

Convertibility

The 3R can be converted to the 6R, 6P, 6Px and 9P, and the 6R can be converted to the 3R, 6P, 6Px and 9P. Kits containing the necessary parts are listed on page 11.

The 3R

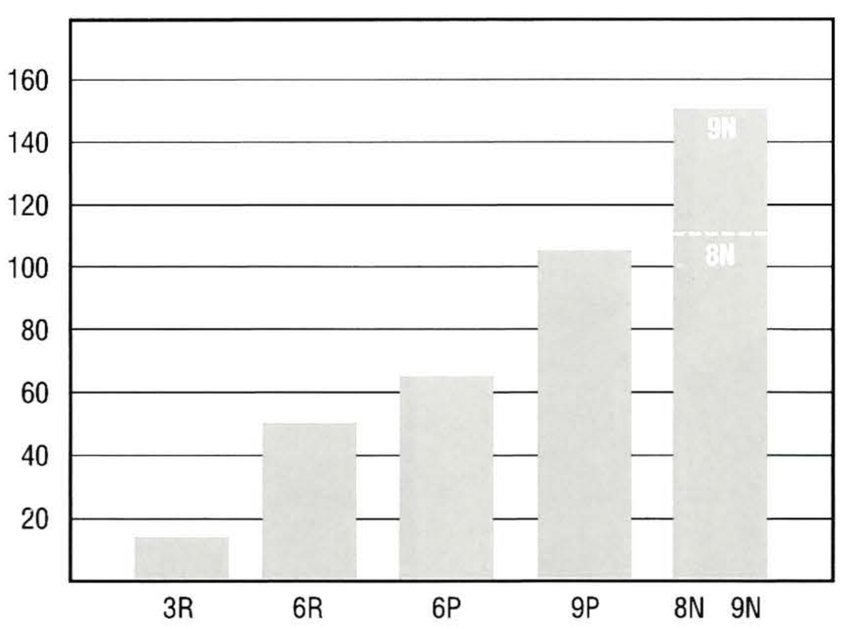
m. **They are summarized and shown full size here for your comparison.**

N SERIES

Ni-Cd Battery Powered, Charge-in-Place with Single or Dual Lamps

The SURE-FIRE N Series flashlights are the ideal choice for professionals who make frequent and extensive use of a flashlight. Compact enough to carry in a belt holster, the N Series flashlights use larger batteries and provide substantially more light than the R Series flashlights. The 8N model has a single primary lamp. The 9N model has an additional secondary lamp which provides an extended operation wide-angle beam ideal for routine tasks not requiring either the tight focus or brilliance of the primary beam. Law enforcement officers would typically use this less intense longer duration beam for report writing, directing traffic, or similar tasks. Charging is particularly convenient, as the batteries can be charged either in or out of the flashlight.

The 8N and 9N models may be converted from one to the other merely by substituting the appropriate lamp-reflector assembly.



Actual Size

The 6R

The 8N

The 9N

SURE-FIRE P Series Flashlights

The P Series is the Performance Series. These models feature exceptionally high light output, long run time, and maximum stand-by battery life, plus superb beam quality and minimum size.

The P Series flashlights achieve their exceptional performance and small size by using lithium batteries in combination with specially designed xenon or xenon/halogen lamps. Their superb beam quality is achieved by individually focusing each lamp (permanently) in its own reflector, which has a special beam smoothing surface.

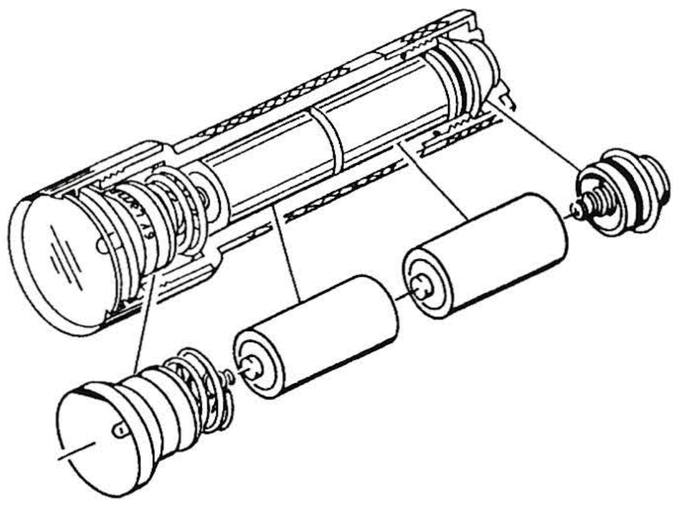
We offer three P Series flashlights, the 6P, 6Px, and 9P. Each will operate for an hour or more on a set of lithium batteries, (two for the 6P and 6Px, and three for the 9P). The 9P is 1.35 inches longer than the others but delivers a remarkable 105 lumens, almost twice that of the 6P, which itself is considered exceptional powerful. The 6Px has a modestly lower output than the 6P but will work equally well with both Lithium and Ni-Cd batteries - desirable for simplified or rapid in-field battery conversions.

Each of the P Series flashlights produces a tightly focused powerful central beam and an intentionally strong wide angle background beam. While this is the ideal light output for most situations, there are times when a wider central beam is more useful. For these cases, we offer our SURE-FIRE BEAMSHAPERS™, which expand the area illuminated by the central beam by a factor of either 5 or 25, depending on the model chosen. These are described further on page 14.

The P Series models are the ideal flashlights to carry, or to keep on hand for emergencies. They are also ideal "working lights", provided they are not used so frequently that battery costs become an issue. In that case, you can convert your Model 6P, 6Px, or 9P to a Model 6R, which runs on both Ni-Cd (rechargeable) and lithium batteries. This requires the purchase of a body-lengthening A14 Adapter, an R60 Lamp/Reflector Assembly (except for the 6Px), a Ni-Cd battery, and one of five battery chargers offered for the 6R. These items are sold individually or as kits, as listed on pages 10 and 11.

You should be able to use your 6P, 6Px, or 9P in any environment, from the arctic to the desert, in rain, sleet or snow without any problems. If you wish to use it underwater you should screw the tail cap down tight (to seal the diaphragm), and turn the flashlight on and off by rotation of the bezel. An alternative is to purchase a Model Z21 Closed End Tailcap, which eliminates the push on/push off feature, but allows on/off switching by rotation of the tail cap. This totally seals the flashlight, and makes it more suitable for routine use underwater or in hazardous environments.

Other accessories you may wish to consider for the 6P, 6Px, and 9P are listed on pages 14 & 15. These include colored and infra-red filters, and nylon, leather and Kydex™ holsters.



Model	Description
6P	Flashlight (with P60) and 2 Lithium batteries
6Px	Flashlight (with R60) and 2 Lithium batteries
9P	Flashlight (with P90) and 3 Lithium batteries

Specification	6P	6Px	9P
Light Output,Lumens	65	50	105
Run Time, Hours	1	1	1
Battery Type	Lithium		
Battery Mfg. & Model	Duracell DL123A		
Batteries Required	2	2	3
Lamp Type		Xenon	Xenon/ Halogen
Lamp Manufacturer	Laser Products		
Lamp/Reflector Assy.	P60	R60	P90
Overall Length	4.85	4.85	6.20
Body Diameter, Inches	1.00	1.00	1.00
Bezel Diameter, Inches	1.25	1.25	1.25
Weight (incl. battery)	5.0	5.0	7.6
Body Material	6061T6 Aluminum		
Body Finish	Black Anodize		

Conversion Kits

Start	Finish	Model	Kit Contains
6P	9P	K10	A19, P90, Three DL123A
6P	3R	K31	B35, R30, C60
6P	3R9	K32	B35, R30, C62
6P	6R	K54	A14, B65, R60, C60
6P	6R9	K56	A14, B65, R60, C62
6P	6R10	K74	A14, B65, R60, C80
6P	6R63	K94	A14, B65, R60, C63
6P	6R69	K96	A14, B65, R60, C69
6Px	9P	K10	A19, P90, Three DL123A
6Px	6R	K14	A14, B65, C60
6Px	6R9	K16	A14, B65, C62
6Px	6R10	K40	A14, B65, C80
6Px	6R63	K174	A14, B65, C63
6Px	6R69	K176	A14, B65, C69
9P	6R	K114	A20, B65, R60, C60
9P	6R9	K116	A20, B65, R60, C62
9P	6R10	K134	A20, B65, R60, C80
9P	6R63	K194	A20, B65, R60, C63
9P	6R69	K196	A20, B65, R60, C69
3R	6R	K152	A14, B65, R60
3R	6R10	K74	A14, B65, R60, C80
3R	6P	K12	P60, Two DL123A
3R	6Px	K11	R60, Two DL123A
3R	9P	K10	A19, P90, Three DL123A
6R	3R	K72	B35, R30
6R	6P	K12	P60, Two DL123A
6R	9P	K10	A19, P90, Three DL123A

SURE-FIRE R Series Flashlights

The R Series is the Rechargeable version of the Performance Series. The R Series flashlights offer economy of operation, superb performance, and the ability to use lithium as well as Ni-Cd batteries. They are similar in design to the P Series, and use the same filters, holsters, BEAMSHAPERS™ and special parts.

We offer two basic R Series flashlights, the 3R and 6R, which can be ordered with different battery chargers. There are two 3R models and five 6R models from which to choose.

The 3R models are identical in size and construction to the 6P Flashlight, but use a different (Ni-Cd) battery and a different (R30) Lamp/Reflector Assembly. Their light output is 15 lumens - significantly less than that of the 6P or 6R, but still impressive for a small rechargeable flashlight.

The 6R models are two inches longer than the 6P Flashlight (they incorporate an A14 Adapter to accommodate the longer Model B65 Ni-Cd battery.) The light output is 50 lumens -about the same as that of a 6Px, and significantly greater than that of a 3R. The 6R flashlights are usually the best rechargeable choice unless size is a critical issue.

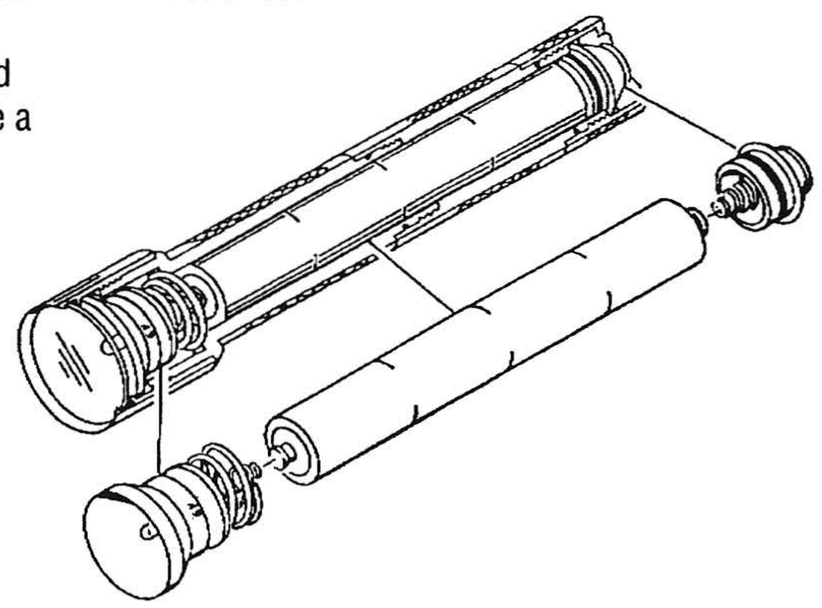
All R Series flashlights can be reconfigured to use lithium batteries. To convert any 3R model to a 6P: replace the R30 Lamp/Reflector Assembly with a P60 assembly, and use two DL123A Lithium batteries in place of the B35 battery. [A word of caution: if you try to use your R30 lamp with two lithium batteries (they fit), you will instantly burn it out! Remember that the R30 units have a RED label].

To convert any 6R model to a 6P: simply remove the (A14) adapter portion, and use the two lithium batteries. No lamp/reflector assembly change is required. For greater output you may replace the R60 Lamp/Reflector Assembly [GREEN label] with a P60 assembly [BLUE label], but only for use with lithium batteries. The P60 is not recommended for use with the B65 Ni-Cd battery since this causes shortened lamp life.

Similarly, the conversion of any R Series flashlight to a Model 9P requires an A19 Adapter (to adjust the body length), a P90 Lamp/Reflector Assembly, and three DI123A Lithium batteries.

The modular nature of both the P and R Series flashlights permits conversion of a 3R to a 6R, 6P, 6Px, or 9P, and conversion of a 6R to a 3R, 6P, 6Px, or 9P. The components required for such changes are listed below as are selected combinations in kit form.

Charger options for the 3R Flashlight are the "overnight" models C60 and C62. The C60 power module plugs directly into a wall receptacle (115V ac) while the C62 cord plugs into an automobile cigarette lighter receptacle (12V dc). Other models (not listed here) are available for international use.



Charger options for the 6R flashlights include rapid, timed, and "overnight" models. The 6R uses the same "overnight" C60 and C62 chargers as the 3R (described above). The timed constant-current chargers for the 6R are the C63 (115V ac) and the C69 (12V dc). The rapid charger for the 6R is the Model C80, a 115V ac unit, with a plug suitable for use in the United States and Canada. Similar international models are under development but are not available at this time.

Specification	3R	6R
Light Output, Lumens	15	50
Run Time, Minutes	35	40
Battery Type	Ni-Cd	Ni-Cd
Battery Model	B35	B65
Lamp Type	Xenon	Xenon
Lamp/Reflector Assy	R30	R60
Overall Length, Inches	4.85	6.85
Body Diameter, Inches	1.00	1.00
Bezel Diameter, Inches	1.25	1.25
Weight (battery incl.),oz	5.0	7.6
Body Material	6061T6 Aluminum	
Body Finish	Black Anodize	

Model	Included Charger
3R	C60 overnight, 115V/60Hz, U.S.
3R9	C62 overnight, 12 V dc, auto
6R	C60 overnight, 115V/60Hz, U.S.
6R9	C62 overnight, 12V dc, auto
6R63	C63 timed, 115V/60Hz, U.S.
6R69	C69 timed, 12V dc, auto lighter
6R10	C80 rapid, 115V/60Hz, U.S.

Conversion Components

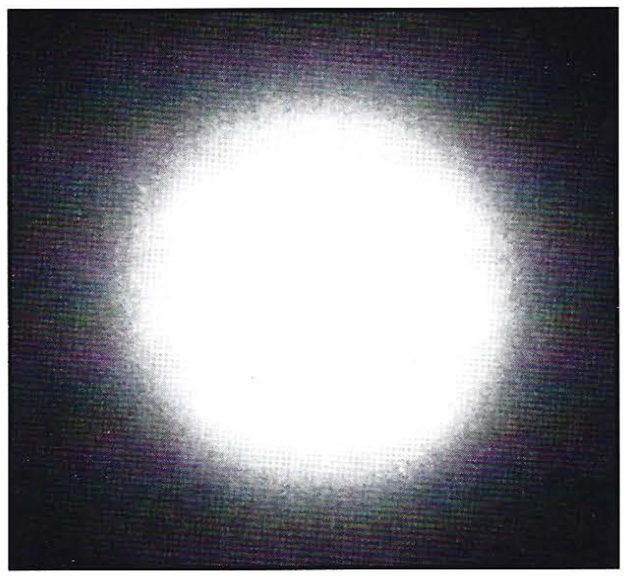
Model	Description
A14	Adapter Body, 6P to 6R
A19	Adapter Body, 6P to 9P
A20	Adapter Body, 9P to 6R
DL123A	Battery, Lithium
B35	Battery, Ni-Cd, 3R
B65	Battery, Ni-Cd, 6R
C60	3R/6R Charger, overnight, 115V/60Hz, U.S.
C62	3R/6R Charger, overnight, 12V dc, auto lighter
C63	6R Charger, timed, 115V/60Hz, U.S.
C69	6R Charger, timed, 12V dc, auto lighter
C80	6R Charger, rapid, 115V/60Hz, U.S.
P60	6P Lamp/Reflector Assembly
P90	9P Lamp/Reflector Assembly
R30	3R Lamp/Reflector Assembly
R60	6R Lamp/Reflector Assembly

SURE-FIRE N Series Flashlights

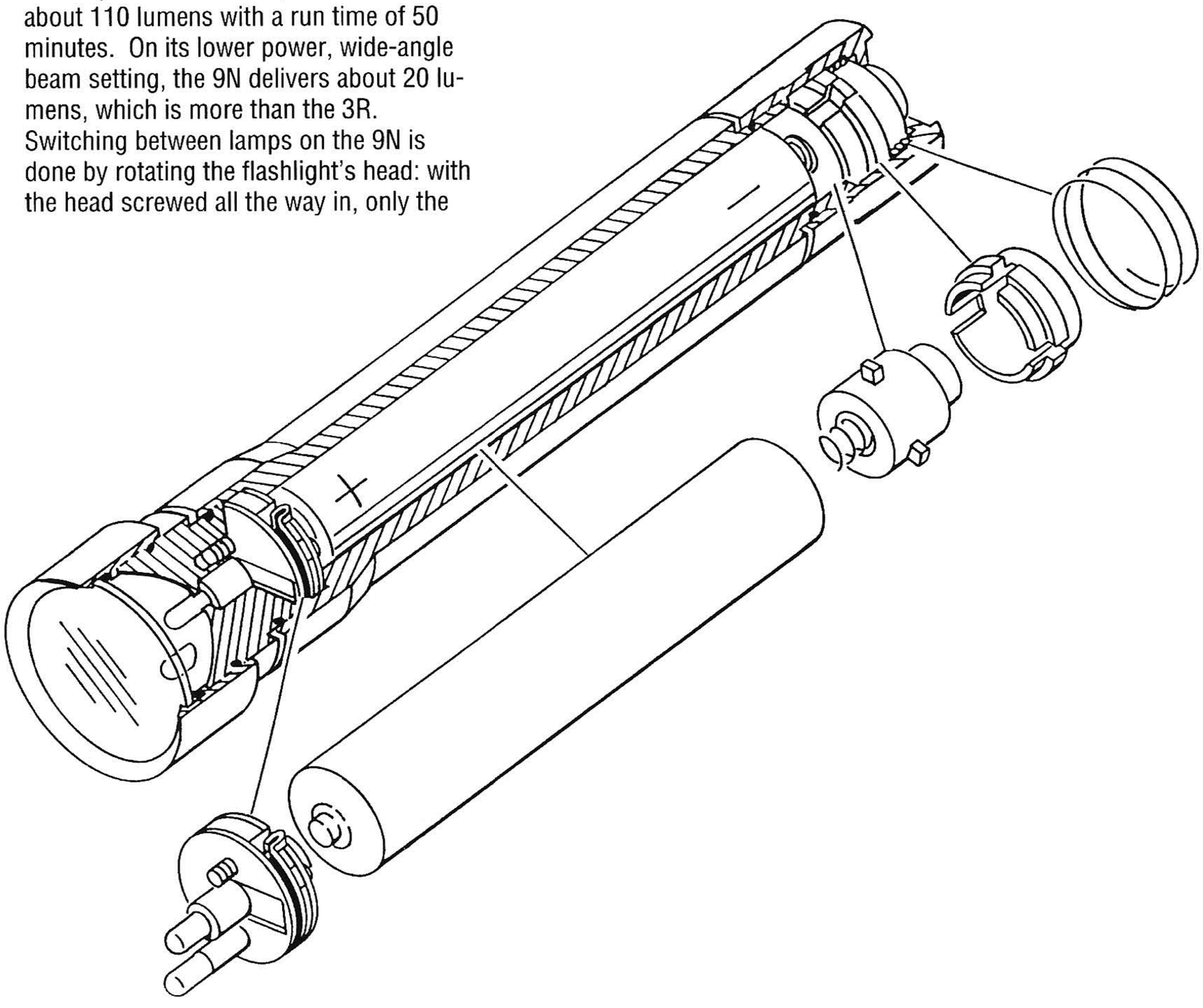
The 8N and 9N models are the first of a new generation of rechargeable flashlights. The 9N models feature light output that is switchable between a very powerful, tightly focused beam and a moderately powerful, long duration wide-angle beam, by a simple rotation of the flashlight head. Both models feature flashlight and charger designs that allow batteries to be charged either in or out of the flashlight. These two features plus very high light output, small size, and BEAMSHAPER™ options combine to make a SURE-FIRE N Series Flashlight probably the best flashlight for professional use that is available today.

We are presently offering two types of N Series flashlights: 8N models with a single primary lamp, and 9N models with an additional secondary lamp. Both types can be ordered with any one of four different battery chargers. The 9N primary beam delivers about 150 lumens, which is more than triple that of the 6R; the 8N delivers about 110 lumens with a run time of 50 minutes. On its lower power, wide-angle beam setting, the 9N delivers about 20 lumens, which is more than the 3R. Switching between lamps on the 9N is done by rotating the flashlight's head: with the head screwed all the way in, only the primary lamp is on, which produces the powerful tightly focused central beam plus a strong wide-angle beam. With the head unscrewed 2/3 of a turn, only the secondary lamp is on, which produces a moderately powerful wide-angle beam. In the mid position both lamps are on.

In use, you will find the wide-angle beam of the lower powered lamp in the 9N more than adequate for routine tasks, and ideal for close up work such as report writing, particularly when a SURE-FIRE BEAMSHAPER™ is used to further expand the beam. On this lower power setting, you can expect about two hours of run time. Using the primary high power lamp you can expect a run times of up to 40 minutes (9N) or 50 minutes (8N).



Photograph of a screen, which shows the focused portion of the beam from a SURE-FIRE 9N Flashlight.



Battery Chargers for the N Series

The battery chargers for the N Series flashlights feature innovative mechanical and electrical designs which make the charging process easier and than ever. The flashlight and charger have been designed as a system to permit charging the batteries while they are in the flashlight. All you have to do is rotate the tail cap to the indicated "charge" position and slip the flashlight into the charger. The C40 and C50 Series chargers feature a metal case and a "flip-up" adapter which permits charging the battery itself, removed from the flashlight. This is important because it allows you to charge spare batteries without tying up your flashlight on the charger. The more economical C20 and C30 Series models charge the battery only in the flashlight.

The C20 Series models are "overnight" chargers which will charge a fully-discharged battery in ten to twelve hours. The C30 and C40 Series models are timed constant-current chargers which feature a nine hour metered charge. The C50 Series models are rapid chargers that utilize a built in microprocessor to control the charging process, and will charge the battery in under two hours. Both 12V dc (auto lighter) input and 115Vac input models are available in each series. They are listed under "Specifications" along with the corresponding 9N Flashlight Systems model numbers.

Accessories

There are a number of useful items offered for the 8N and 9N flashlights, which are described on pages 14 and 15. They include two SURE-FIRE BEAMSHAPERS™, which widen and smooth the beam, red and blue filters, and nylon and leather holsters.

Specifications	8N	9N
Light Output, Lumens		
Main Lamp	110	150
Secondary Lamp		20
Run Time, Minutes		
Main Lamp Only	50	40
Secondary Lamp Only		120
Lamp Type		
Main Lamp	Xenon/Halogen	
Secondary Lamp		Xenon
Lamp Assembly	N80	N90
Battery Type	Ni-Cd	Ni-Cd
Battery Model	B90	B90
Overall Length, Inches	7.9	7.9
Body Diameter, Inches	1.25	1.25
Bezel Diameter, Inches	1.63	1.63
Weight (Battery Incl'd.) oz.	11.6	11.6
Body Material	6061T6 Aluminum	
Body Finish	Hard Black Anodize	

Model	Included Charger
8N20	C20 overnight, 115V/60Hz, U.S.
8N29	C29 overnight, 12V dc auto lighter
8N30	C30 timed, 115V/60Hz, U.S.
8N39	C39 timed, 12V dc auto lighter
8N40	C40 timed, 115V/60Hz, U.S.
8N49	C49 timed, 12V dc auto lighter
8N50	C50 rapid, 115V/60Hz, U.S.
8N59	C59 rapid, 12V dc auto lighter
9N20	C20 overnight, 115V/60Hz, U.S.
9N29	C29 overnight, 12V dc auto lighter
9N30	C30 timed, 115V/60Hz, U.S.
9N39	C39 timed, 12V dc auto lighter
9N40	C40 timed, 115V/60Hz, U.S.
9N49	C49 timed, 12V dc auto lighter
9N50	C50 rapid, 115V/60Hz, U.S.
9N59	C59 rapid, 12V dc auto lighter

SURE-FIRE BEAMSHAPERS™ and FILTERS

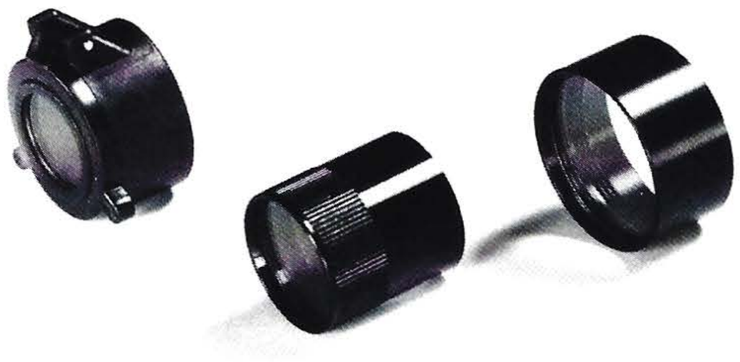
Enlarging the Beam, Smoothly

Laser Products has developed holographically-generated shatterproof optical disks which, when placed in the flashlight beam, expand the beam, smoothly. We call them BEAMSHAPERS™.

In effect a BEAMSHAPER™ takes the focused portion of the beam and spreads it out, but in such a way that the resulting beam, while wider and thus covering a larger area, remains very smooth and symmetrical. This remarkable transformation makes the flashlight much more useful at shorter ranges. At present two different versions are offered, one which increases the area covered by a factor of 5 (medium angle models), the other which increases it by a factor of 25 (wide angle models).

Several flashlight manufacturers offer models which vary beam coverage ("going from spot to flood") by moving the lamp in or out of focus in the reflector. Users familiar with these flashlights are undoubtedly equally familiar with the poor quality of the beam patterns obtained using this approach. For those who are not, we direct your attention to the photographs and intensity scans shown below. Compare the beam patterns of a SURE-FIRE 6R Flashlight fitted with our medium and our wide angle BEAMSHAPERS™ with the beam patterns of the highest quality competitive adjustable focus rechargeable flashlight on its "medium flood" and "flood" settings. There is a stunning difference!

Medium and wide angle BEAMSHAPERS ™ are available for all SURE-FIRE flashlights in three mounting styles: fitted into a replacement bezel (for permanent duty), fitted into a cap which is pushed on over the standard bezel (removable), or fitted into a pop-open holder which is pushed on over the standard bezel (instant changeover).



Changing the Color of the Beam

There are situations where you would like to change the flashlights beam from white (all colors) to a single color, such as red or blue, or to infrared. This is done by placing a filter in the beam, which lets the color you specify pass through, and which blocks the other colors.

For convenience in use, color filters are available for all SURE-FIRE flashlights in two mounting styles, both of which fit snugly over the flashlight bezel. In the first style, the filter is fitted into a push-on cap. In the second style, the filter is fitted into a pop-open or snap-open holder that permits the filter to be flipped out of the beam when not needed. Infra-red filters are glass; all others are cast acrylic plastic.

SURE-FIRE BEAMSHAPERS

Model Holder	Fits	Type(Angle)	
F20	P,R	Medium	Repl. Bezel
F21	P,R	Wide	Repl. Bezel
F23	P,R	Medium	Pop Open
F24	P,R	Wide	Pop Open
F40	P,R	Medium	Push On
F41	P,R	Wide	Push On
F30	N	Medium	Repl. Bezel
F31	N	Wide	Repl. Bezel
F33	N	Medium	Pop Open
F34	N	Wide	Pop Open
F50	N	Medium	Push On
F51	N	Wide	Push On

SURE-FIRE FILTERS

Model	Fits	Color	Holder
F16	P,R	Infra-red	Snap-open
F26	P,R	Red	Pop-Open
F27	P,R	Blue	Pop-Open
F46	P,R	Red	Push-On
F47	P,R	Blue	Push-On
F49	P,R	Infra-red	Push-On
F36	N	Red	Pop-Open
F37	N	Blue	Pop-Open
F56	N	Red	Push-On
F57	N	Blue	Push-On
F59	N	Infra-red	Push-On

SURE-FIRE Flashlights

MEDIUM ANGLE

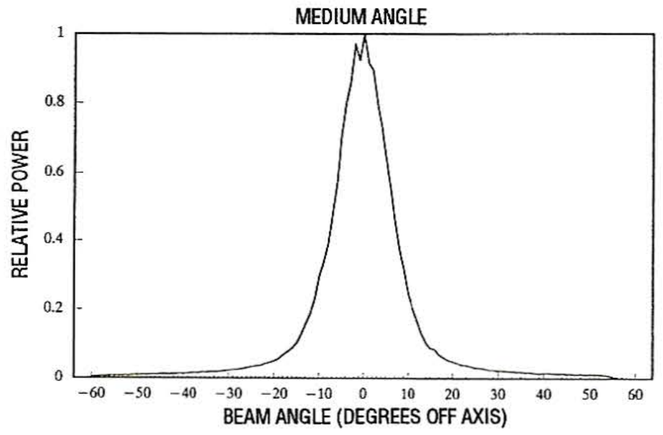
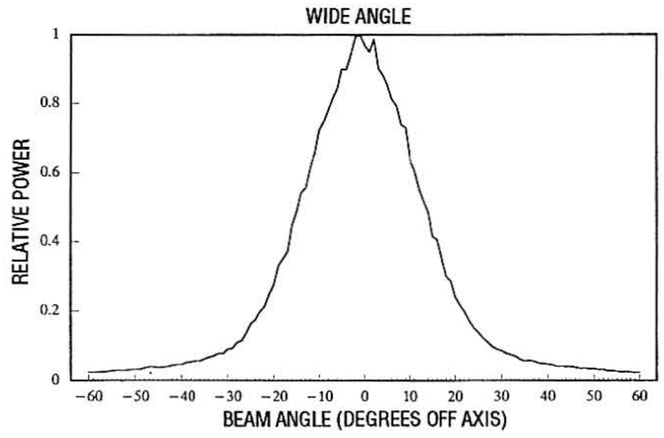


PHOTO- BEAM

WIDE ANGLE



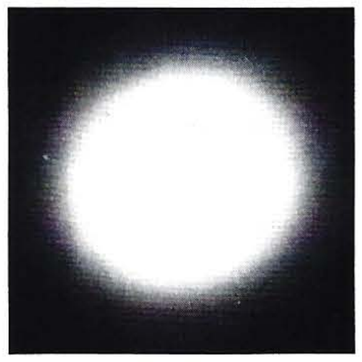
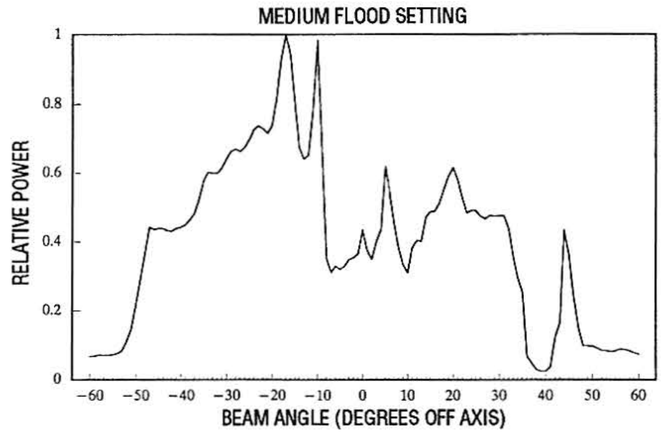


PHOTO- BEAM

The Highest Quality Competitive Flashlights

MEDIUM FLOOD SETTING



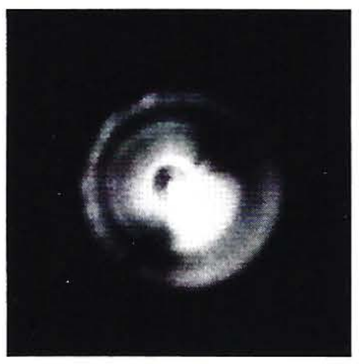
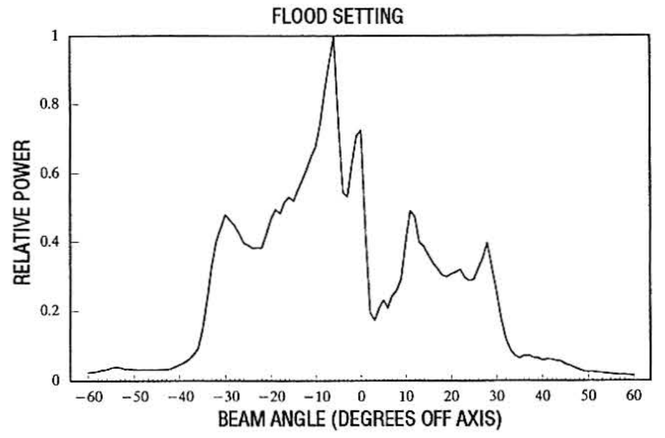


PHOTO- BEAM

FLOOD SETTING



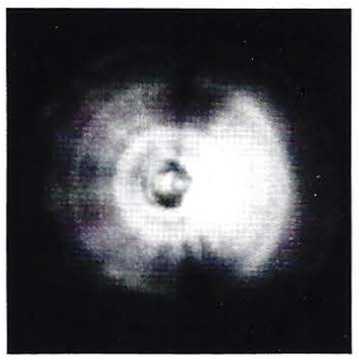


PHOTO- BEAM

Holsters

One of the best features of all SURE-FIRE flashlights is their small size, which permits them to be carried comfortably on the belt in a holster. We offer top quality holsters for all SURE-FIRE flashlight models, in nylon, leather, and Kydex™ (a rigid polymer). All of our holsters are black, which reflects the dominant preference of our law enforcement and other professional customers. Also, all of our holsters will accept belts up to 2 3/8 inches wide, permitting use with traditional law enforcement "Sam Brown" belts, as well as with narrower belts.

We offer three sizes of holsters, referred to as A, B, and C sizes, which fit flashlight models as follows:

A size fits 6P and 3R flashlights
B size fits 9P and 6R flashlights
C size fits 8N and 9N flashlights

Nylon holsters are available in three styles, differing only in how the holster is secured to the belt: the standard sewn belt loop, the "velcro"-secured quick release belt loop, and the spring metal belt clip. All nylon holsters have a retaining flap which fits over the flashlight and is secured with a "velcro" closure.

Leather holsters are available in two styles and each style is available in three finishes: plain, embossed basketweave or polished "clarino". The first style features traditional flat stitch construction, and has a retaining flap secured with a "velcro" closure. Its belt loop is formed with a second flap that is secured to the back of the holster with a one-way snap.

The second style uses a newly developed design, which features an integral compliant "bump" on the inside of the holster that keeps the flashlight from falling out. This eliminates the need for a retaining flap, which makes removing and inserting the flashlight easier. It also permits a flashlight fitted with a BEAMSHAPER™ or filter to be securely retained - a conventional flap would have to be left open. Another feature of this style is the permanently attached belt loop which eliminates the need for snaps. Finally, it features corner stitch construction, which reduces the width of the holster.

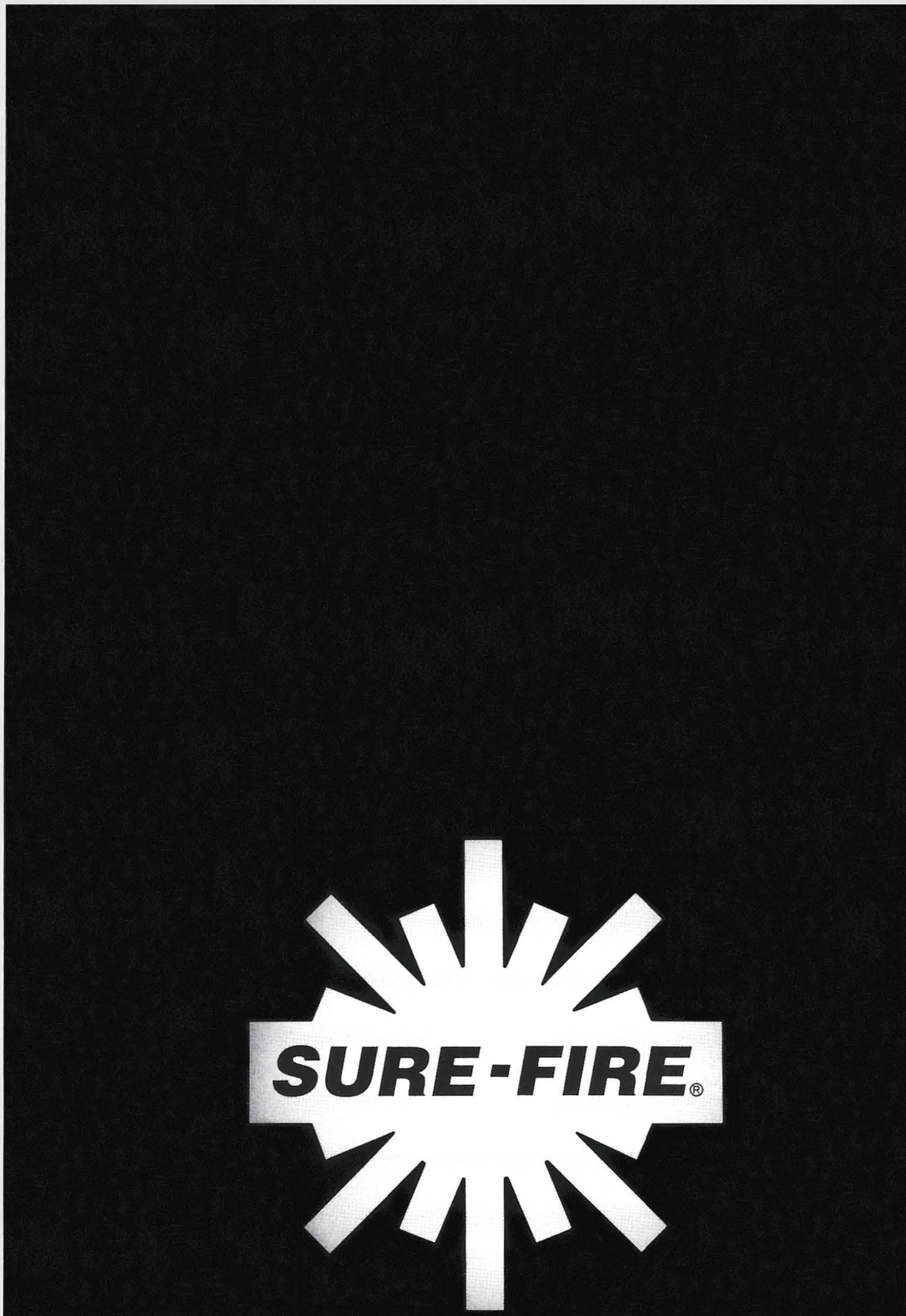
Kydex™ holsters are available in one open-top style. Each is formed from a single piece of .090 inch thick black Kydex™. Flashlight retention is accomplished by the spring-like design of the fit.

Model	Size	Fits	Type	Style
V20	A	6P,3R	Nylon	Std. Belt Loop
V21	A	"	Nylon	Quick Release
V25	A	"	Nylon	Belt Clip
V22	A	"	Plain Leather	With Flap
V23	A	"	Basketweave	With Flap
V24	A	"	Clarino	With Flap
V26	A	"	Plain Leather	Open
V27	A	"	Basketweave	Open
V28	A	"	Clarino	Open
V29	A	"	Kydex	Open
V10	B	9P,6R	Nylon	Std. Belt Loop
V11	B	"	Nylon	Quick Release
V15	B	"	Nylon	Belt Clip
V12	B	"	Plain Leather	With Flap
V13	B	"	Basketweave	With Flap
V14	B	"	Clarino	With Flap
V16	B	"	Plain Leather	Open
V17	B	"	Basketweave	Open
V18	B	"	Clarino	Open
V19	B	"	Kydex	Open
V40	C	8N,9N	Nylon	Std. Belt Loop
V41	C	"	Nylon	Quick Release
V45	C	"	Nylon	Belt Clip
V46	C	"	Plain Leather	Open
V47	C	"	Basketweave	Open
V48	C	"	Clarino	Open
V49	C	"	Kydex	Open

From Laser Products to you...

When you buy a SURE-FIRE flashlight you join our family. We care how our products work for you. Not just for today, but for the future as well. We are here for you from now on. Have a question? Need to add or convert your unit? Want to upgrade? Just call 1.800 828.8809. You are not dealing with a "take-the-money-and-run" company here. We're in for the long haul. We've been in business since 1979, and we stand behind our products 100%. Talk about warranty? Ours is as strong as you can get, a "reasonable man" approach...if its our fault, we'll fix it at no cost to you...whatever's reasonable. Our customer service staff is dedicated to your satisfaction.

There is no risk when you buy a SURE-FIRE; you can count on it to be the best, and you can count on us to bring you the latest in light technology in advance of anyone else. Thank you and again, welcome to the family.



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